

METHOD FOR ANALYZING OUTPUT DATA OF  
ARRAY SUBELEMENTS OF AN IMAGING SEGMENTED ARRAY

ABSTRACT OF THE DISCLOSURE

5 A position of a feature in a scene is located by forming an image of the  
feature using a segmented array having a plurality of array subelements. Each of  
the array subelements has an output signal. The output signals from at least two  
spatially adjacent array subelements are cooperatively analyzed to establish a data  
set reflective of an extent to which output signals responsive to the image of the  
feature are produced from exactly one or from more than one of the adjacent array  
10 subelements. The data set is used to reach a conclusion as to a location of the  
image of the feature on the segmented array. Increased positional accuracy is  
attained with no loss of sensitivity.